

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: February 9, 2005

Inspector: Diana Walden

Location: Norwalk Substation Expansion

Storm/

Rain Event: The area received between 0.06 to 0.44 (2/3-2/4/05) inches of precipitation since the last inspection as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Access Roads and Adjacent Roadways	<ul style="list-style-type: none"> - The inlet and protective haybale near the Route 7 ramp have become increasingly buried by a combination of roadway sand and soil from the substation landscaped areas. The silt fence here requires repair 2/9/05 - Silt from the erosion and run-off had built up at the end of the earthen swale as well as around the inlet and should be cleared away during thaw periods. 2/9/05 	<ul style="list-style-type: none"> -The silt fence has ripped and require repair. Sediment has mostly buried the haybale and should be cleared away. Continue to monitor inlet and surrounding area and maintain these controls as necessary to prevent sedimentation and stormwater issues. 2/9/05 - The earthen swale and surrounding area is still bare soil and should continue to be monitored and may require additional stabilization in the future. 12/30-2/9/05
Foundation construction	<ul style="list-style-type: none"> -No major work has occurred on the GIS building since the last inspection. 2/9/05 -Stockpiles near wall 2 are being actively added to and worked but are well within the site and is contained by the wall. 2/2-2/9/05. - Excavation work continues on conduit banks and manholes in the expansion area to the south of wall 3 as well as in the existing charged area. Soil stockpiles are well within the yard. 2/2-2/9/05 	<ul style="list-style-type: none"> - None at this time. 2/9/05 - Areas are contained, none at this time. 2/9/05

Areas of Inspection	Observation	Recommended Action
	-Concrete is being poured and backfill is occurring in some of these areas. 2/2-2/9/05 - Oil collectors and separators are also being installed near the GIS building. 2/9/05	
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- The silt fence remains as necessary at the ends of the overflow channel where vegetative has not fully established. 12/16-2/9/05	- Continue to be proactive in silt fence repair and maintenance where needed.
	-The overflow channel continues to work well and conditions are fairly stable at this time. 1/27-2/9/05.	- Continue to monitor for overall stabilization. In the spring, the situation should be evaluated as additional seeding may be necessary. 2/9/05
	- The flared inlet near the Rt 7 ramp requires repair of the silt fence control. It is receiving obvious stormwater flows and sediment has built up around the controls. The haybale is almost buried and should be cleared of sediment. 2/9/05	- Repair silt fence and continue to monitor until stabilized as the surrounding area is still bare soil. Until vegetative cover establishes, the potential for sedimentation in this area remains. 1/27-2/9/05
	- Active work with concrete has resumed on site and concrete washouts are being concentrated in either the designated pit area or a lower pit/excavation area. 2/9/05	- Continue to use these areas for all concrete washouts, wheel and equipment washings. 2/9/05
Inland Wetland and Watercourse encroachment and mitigation	- Silt fence has been removed from most areas along the wetland/river side of the channel as the area is stabilized. 12/16/04	-None at this time. Continue to monitor.
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	-Some plantings along the channel were flagged for damage to see how they survive the winter. 11/18/04	- The plantings will be evaluated for any permanent damage in the spring and hydroseed was placed as ground cover here. 11/18/04

Areas of Inspection	Observation	Recommended Action
Dewatering	- Dewatering is not necessary at this time as the deeper excavation was completed. 2/9/05	-None at this time. 2/29/05
Blasting	- No blasting is occurring on site at this time and it is not anticipated to be necessary.	- None at this time.
Spills and Material Storage	- There were no reportable spills during the week or observed during inspection. 2/9/05 - The Galion boom hoist had returned to the site after being repaired but a much smaller fluid drip was still noted. A pad was going to be placed under the machine and it was going to be looked at again. 2/9/05	- The contractors should remain vigilant about securing and handling fuel containers due to the sensitivity of the area. - Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. - - Check equipment status on a regular basis. - Report spills to the office immediately, even if they are being controlled.
Additional Observations	- Construction activities on the bridge on Broad Street to the north have ended and the bridge is in active use. 2/9/05 - The island or bank on which the bridge footing was located is still mostly bare of vegetation but has some erosion control.	- The work is unrelated to the Norwalk substation but should be noted as it is occurring in the adjacent area and could be a potential off-site sedimentation source. 9/10-2/9/05

Next likely scheduled inspection:

Wednesday, February 16, 2005

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature:

Diana Walden

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Date: February 9, 2005

Inspector: Diana Walden

Location: Plumtree Substation Expansion , Bethel

Storm/

Rain Event The area received between 0.06 to 0.44 (2/3-2/4/05) inches of precipitation since the last inspection as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Access Roads	- No new access roads have been constructed at this time 2/9/05	- None at this time.
Foundation construction	-The major work of placing equipment on the recently constructed slab and connecting it to the existing equipment is on-going. 2/9/05 - Excavation continues on the cable trench closer to the trailers and is extending near the entrance to the yard. Improved weather and a soil warmer allowed work to continue. 2/2-2/9/05	- The areas are still contained at this time. From the gradient, it does not appear sedimentation beyond the fence will be an issue but small pockets of pooling water may require reinforcement of the berm here. The berm reinforcement should occur when feasible due to weather conditions and snow cover. 2/9/05
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- The working areas of the site are getting muddy. Some minor areas of pooling water by the eastern perimeter fence where the stone perimeter berm is not as high may potentially cause a small spillover when the area thaws.. 2/9/05	- Although the gradient of the site would typically drain water from this area, small isolated spots had pooled and could potentially run off site. Some gravel could be placed here to reinforce the berm which is low in this spot. 2/9/05

Areas of Inspection	Observation	Recommended Action
	- A small pile of plowed snow with stone and soil was pushed immediately adjacent to the edge of the wetland. When the pile melts, sedimentation to the wetland is likely. 2/9/05	- The pile will be spread back out across the driveway to keep the sediments out of the wetland. 2/9/05
	- There is no silt fence in place at this time, however major stockpiles are covered in plastic following the end of each work day and the stone perimeter berm is well in place and contains the yard. 2/9/05	-All stockpiles are well-contained and the berm is working well at this time. 2/9/05
	- Portions of the stockpiles of soil are still being actively worked. Intermittent removal of extra soil to appropriate off-site locations is ongoing. 2/2-2/9/05	-Continue to keep piles which are still on-site, covered/protected with plastic. 2/9/05
Inland Wetland and Watercourse encroachment and mitigation	- Wetlands are located around the outskirts of the substation yard. The work within the substation yard has caused no sedimentation. However, the plowed pile of snow requires some attention. 2/9/05	- The stone berm around the perimeter of the yard continues to prevent sedimentation and water from leaving the site and getting to the wetland edge. 9/23-2/2/05 - The snow pile should be pulled back from the wetland edge. 2/9/05
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	- No vegetation outside of the substation yard will need to be cleared during the expansion work.	- N/A
Dewatering	- Dewatering is not necessary at this time. 2/9/05	- None at this time.
Blasting	- No blasting is occurring on site at this time.	- None at this time.

Areas of Inspection	Observation	Recommended Action
Spills and Material Storage	<ul style="list-style-type: none"> - No drips or spills were reported for the week. 2/9/05 - No spills or equipment drips were noted during the inspection. 2/9/05 - The secondary containment bin around the fuel storage tank is filling up with rain/meltwater and has a slight sheen on the surface. The water should be drained and filtered through an oil boom or pad to avoid an unmonitored spillover in the next few rain events. 2/9/05 	<ul style="list-style-type: none"> - The contractors should remain vigilant about securing and handling fuel containers. - Keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis. - Report spills to the office immediately, even if they are being controlled.
Additional Observations		

Next likely scheduled inspection:

Wednesday, February 16, 2005

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature:

Diana Walden



View of the excavation and backfill near wall #3. All soil remains well within the site. 2/9/05



View of the cable work and excavation ongoing within the charged yard. 2/9/05



Overall view of the GIS building work. 2/9/05



The protected inlet near the Route 7 ramp continues to receive a mixture of roadway sand and soil from the landscaped areas along the substation. The silt fence requires repair and the area should be cleared. 2/9/05



Plumtree Substation: View of the continued work on the cable trenches. 2/9/05



A plowed pile of snow mixed with soil and stone was placed immediately adjacent to the wetland. The pile will be spread back into the driveway to avoid sedimentation. 2/9/05